

#24



1600

RAW SEQUENCE LISTING

DATE: 04/24/2002

PATENT APPLICATION: US/09/509,283B

TIME: 09:14:52

ENTERED

Input Set : A:\7853215999.txt

Output Set: N:\CRF3\04242002\I509283B.raw

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3 <110> APPLICANT: KroczeK, Richard
5 <120> TITLE OF INVENTION: Anti-human T-cell costimulating monoclonal antibodies
7 <130> FILE REFERENCE: 7853-215-999
9 <140> CURRENT APPLICATION NUMBER: 09/509,283B
10 <141> CURRENT FILING DATE: 2000-08-11
12 <160> NUMBER OF SEQ ID NOS: 5
14 <170> SOFTWARE: PatentIn version 3.0
16 <210> SEQ ID NO: 1
17 <211> LENGTH: 2641
18 <212> TYPE: DNA
19 <213> ORGANISM: 8F4
21 <220> FEATURE:
22 <221> NAME/KEY: CDS
23 <222> LOCATION: 68..667
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27 ggcaaac atg aag tca ggc ctc tgg tat ttc ttt ctc ttc tgc ttg cgc      109
28      Met Lys Ser Gly Leu Trp Tyr Phe Phe Leu Phe Cys Leu Arg
29      1          5          10
30 att aaa gtt tta aca gga gaa atc aat ggt tct gcc aat tat gag atg      157
31 Ile Lys Val Leu Thr Gly Glu Ile Asn Gly Ser Ala Asn Tyr Glu Met
32 15          20          25          30
33 ttt ata ttt cac aac gga ggt gta caa att tta tgc aaa tat cct gac      205
34 Phe Ile Phe His Asn Gly Gly Val Gln Ile Leu Cys Lys Tyr Pro Asp
35          35          40          45
36 att gtc cag caa ttt aaa atg cag ttg ctg aaa ggg ggg caa ata ctc      253
37 Ile Val Gln Gln Phe Lys Met Gln Leu Lys Gly Gly Gln Ile Leu
38          50          55          60
39 tgc gat ctc act aag aca aaa gga agt gga aac aca gtg tcc att aag      301
40 Cys Asp Leu Thr Lys Thr Lys Gly Ser Gly Asn Thr Val Ser Ile Lys
41          65          70          75
42 agt ctg aaa ttc tgc cat tct cag tta tcc aac aac agt gtc tct ttt      349
43 Ser Leu Lys Phe Cys His Ser Gln Leu Ser Asn Asn Ser Val Ser Phe
44          80          85          90
45 ttt cta tac aac ttg gac cat tct cat gcc aac tat tac ttc tgc aac      397
46 Phe Leu Tyr Asn Leu Asp His Ser His Ala Asn Tyr Tyr Phe Cys Asn
47 95          100          105          110
48 cta tca att ttt gat cct cct cct ttt aaa gta act ctt aca gga gga      445
49 Leu Ser Ile Phe Asp Pro Pro Pro Phe Lys Val Thr Leu Thr Gly Gly
50          115          120          125
51 tat ttg cat att tat gaa tca caa ctt tgt tgc cag ctg aag ttc tgg      493
52 Tyr Leu His Ile Tyr Glu Ser Gln Leu Cys Cys Gln Leu Lys Phe Trp
53          130          135          140

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54 tta ccc ata gga tgt gca gcc ttt gtt gta gtc tgc att ttg gga tgc      541
55 Leu Pro Ile Gly Cys Ala Ala Phe Val Val Val Cys Ile Leu Gly Cys
56      145                      150                      155
57 ata ctt att tgt tgg ctt aca aaa aag aag tat tca tcc agt gtg cac      589
58 Ile Leu Ile Cys Trp Leu Thr Lys Lys Lys Tyr Ser Ser Ser Val His
59      160                      165                      170
60 gac cct aac ggt gaa tac atg ttc atg aga gca gtg aac aca gcc aaa      637
61 Asp Pro Asn Gly Glu Tyr Met Phe Met Arg Ala Val Asn Thr Ala Lys
62 175                      180                      185                      190
63 aaa tct aga ctc aca gat gtg acc cta taa tatggaactc tggcaccag      687
64 Lys Ser Arg Leu Thr Asp Val Thr Leu
65      195
66 gcatgaagca cggtggccag ttttcctcaa cttgaagtgc aagattctct tatttcggg      747
67 accacggaga gtctgactta actacataca tcttctgctg gtgttttggt caatctggaa      807
68 gaatgactgt atcagtcagt ggggatttta acagactgcc ttggtactgc cgagtcctct      867
69 caaaacaaac accctcttgc aaccagcttt ggagaaagcc cagctcctgt gtgctcactg      927
70 ggagtggaaat cctgtctcc acatctgctc ctacagtgcc atcagccagt aaaacaaaca      987
71 catttacaag aaaaatgttt taaagatgcc aggggtactg aatctgcaaa gcaaatgagc      1047
72 agccaaggac cagcatctgt ccgcatttca ctatcatact acctcttctt tctgtaggga      1107
73 tgagaattcc tcttttaate agtcaaggga gatgcttcaa agctggagct attttatttc      1167
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86 agaggctgaa gtcaccctgg gaatcacagt ggtctacctg cattcataat tccaggatct      1947
87 gtgaagagca catatgtgtc agggcacaat tccctctcat aaaaaccaca cagcctggaa      2007
88 attggccctg gcccttcaag atagccttct ttagaatatg atttggctag aaagattctt      2067
89 aaatatgttg aatatgatta ttcttagctg gaatattttc tctacttctt gtctgcatgc      2127
90 ccaaggcttc tgaagcagcc aatgtcgatg caacaacatt tgtaacttta ggtaacttg      2187
91 gattatgttg tagtttaaca ttttgtaact gtgtgcttat agtttacaag tgagaccga      2247
92 tatgtcatta tgcatactta tattatctta agcatgtgta atgctggatg tgtacagtac      2307
93 agtactgaac ttgtaatttg aatctagtat ggtgttctgt tttcagctga cttggacaac      2367
94 ctgactggct ttgcacaggt gttccctgag ttgtttgcag gtttctgtgt gtgggggtgg      2427
95 gtatggggag gagaaccttc atgggtggccc acctggcctg gttgtccaag ctgtgcctcg      2487
96 acacatcctc atccccagca tgggacacct caagatgaat aataattcac aaaatttctg      2547
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100 <210> SEQ ID NO: 2
101 <211> LENGTH: 199
102 <212> TYPE: PRT
103 <213> ORGANISM: 8F4

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105 <400> SEQUENCE: 2

106 Met Lys Ser Gly Leu Trp Tyr Phe Phe Leu Phe Cys Leu Arg Ile Lys
 107 1 5 10 15
 109 Val Leu Thr Gly Glu Ile Asn Gly Ser Ala Asn Tyr Glu Met Phe Ile
 110 20 25 30
 112 Phe His Asn Gly Gly Val Gln Ile Leu Cys Lys Tyr Pro Asp Ile Val
 113 35 40 45
 115 Gln Gln Phe Lys Met Gln Leu Leu Lys Gly Gly Gln Ile Leu Cys Asp
 116 50 55 60
 118 Leu Thr Lys Thr Lys Gly Ser Gly Asn Thr Val Ser Ile Lys Ser Leu
 119 65 70 75 80
 121 Lys Phe Cys His Ser Gln Leu Ser Asn Asn Ser Val Ser Phe Phe Leu
 122 85 90 95
 124 Tyr Asn Leu Asp His Ser His Ala Asn Tyr Tyr Phe Cys Asn Leu Ser
 125 100 105 110
 127 Ile Phe Asp Pro Pro Pro Phe Lys Val Thr Leu Thr Gly Gly Tyr Leu
 128 115 120 125
 130 His Ile Tyr Glu Ser Gln Leu Cys Cys Gln Leu Lys Phe Trp Leu Pro
 131 130 135 140
 133 Ile Gly Cys Ala Ala Phe Val Val Val Cys Ile Leu Gly Cys Ile Leu
 134 145 150 155 160
 136 Ile Cys Trp Leu Thr Lys Lys Lys Tyr Ser Ser Ser Val His Asp Pro
 137 165 170 175
 139 Asn Gly Glu Tyr Met Phe Met Arg Ala Val Asn Thr Ala Lys Lys Ser
 140 180 185 190
 142 Arg Leu Thr Asp Val Thr Leu
 143 195

145 <210> SEQ ID NO: 3

146 <211> LENGTH: 17

147 <212> TYPE: DNA

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150 <220> FEATURE:

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154 <222> LOCATION: 3, 9, 15

155 <223> OTHER INFORMATION: n = a, t, g, or c

W--> 157 <400> 3

W--> 158 mgnctsaacng aygtnac

17

160 <210> SEQ ID NO: 4

161 <211> LENGTH: 17

162 <212> TYPE: DNA

C--> 163 <213> ORGANISM: Artificial

165 <220> FEATURE:

166 <223> OTHER INFORMATION: Description of Artificial Sequence: Degenerate oligonucleotide

W--> 168 <221> NAME/KEY: misc_feature

169 <222> LOCATION: 3, 9, 15

170 <223> OTHER INFORMATION: n = a, t, g, or c

W--> 172 <400> 4

W--> 173 mgnytdacng aygtnac

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Input Set : A:\7853215999.txt

Output Set: N:\CRF3\04242002\I509283B.raw

175 <210> SEQ ID NO: 5
176 <211> LENGTH: 7
177 <212> TYPE: PRT
178 <213> ORGANISM: Homo sapiens
180 <220> FEATURE:
181 <221> NAME/KEY: SITE
182 <222> LOCATION: 1
183 <223> OTHER INFORMATION: Xaa = Unknown amino acid
185 <400> SEQUENCE: 5
186 Xaa Arg Leu Thr Asp Val Thr
187 1 5